

**Product Texts**

- Extrusion- and injection molding grade
  - with special UV stabilizers
  - very good hydrolysis and microbial resistance
  - good low-temperature flexibility
  - free from plasticizers
  - high moisture vapor transmission rate
- Application:
- breathable films
  - Films
  - Sports shoe soles
  - hard - soft systems

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Stress at 10% elongation	<b>0.6</b>	MPa	ISO 527
<sup>[C]</sup> Stress at 100% elongation	<b>2.9</b>	MPa	ISO 527
<sup>[C]</sup> Stress at 300% elongation	<b>5</b>	MPa	ISO 527
<sup>[C]</sup> Stress at break TPE	<b>26</b>	MPa	ISO 527
<sup>[C]</sup> Strain at break TPE	<b>&gt;300</b>	%	ISO 527
<sup>[C]</sup> Compression set at 70 °C, 24h	<b>49</b>	%	ISO 815
<sup>[C]</sup> Tear strength	<b>40</b>	kN/m	ISO 34-1
<sup>[C]</sup> Abrasion resistance	<b>70</b>	mm <sup>3</sup>	ISO 4649
<sup>[C]</sup> Shore A hardness	<b>70</b>	-	ISO 7619-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Density	<b>1060</b>	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>80</b>	°C	-
Pre-drying - Time	<b>1 - 2</b>	h	-
Processing humidity	<b>≤0.05</b>	%	-
Melt temperature	<b>190 - 210</b>	°C	-
Mold temperature	<b>20 - 40</b>	°C	-

**Characteristics****Processing**

Injection Molding, Film Extrusion, Profile Extrusion, Sheet Extrusion, Other Extrusion

**Special Characteristics**

U.V. stabilized or stable to weather

**Chemical Resistance**

Hydrolytically Stable

**Applications**

Sports Equipment

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

**Other text information****Injection molding****PREPROCESSING**

Max. water content: 0.05 %

Max. drying temperature: 80 °C

Drying time:

Dry air dryer 1-2 h

**PROCESSING**

Melt temperature: 190-210 °C

Mold temperature: 20-40 °C

**Other extrusion**

Preprocessing

Max. Water content  $\leq 0.05$  %

Drying temperature 70-110 °C

Dry air dryer 1-2 h

Processing

Melt temperature 175-210 °C

**Profile extrusion**

Preprocessing

Max. Water content  $\leq 0.05$  %

Drying temperature 70-110 °C

Dry air dryer 1-2 h

Processing

Melt temperature 195-215 °C